



SILICONE COATING SOLUTIONS

Technical Product Data

SIL-WALL 5000 SERIES

Product Description:

Sil-Wall 5000 Series Solvent-Free Silicone Coating is a one-component, moisture curing silicone coating system that is designed for above grade air and waterproofing applications. Once cured it displays excellent long-term resistance to natural weathering, humidity, high and low temperatures with no adverse effect to the product. Silicone Coating Solutions Sil-Wall 5000 series waterproofs while still allowing the building to permeate for building moisture management.



Sil-Wall-5001 (white) was used on the building above.

Typical Performance:

Sil-Wall 5000 Series Silicone Coating cures to a durable air and moisture barrier. This coating is a one-part, ready-to-used material that can be applied easily to a dry, frost-free surface, and cures at normal temperature and humidity in 1 to 4 hours by reacting with moisture in the air. For applications with lower than normal temperature and humidity levels, expect the cure time to be longer.

STORAGE AND SHELF LIFE:

Sil-Wall 5000 Series when stored in unopened containers has a recommended shelf life of 12 months from date of manufacture and between 40°F and 80°F. Refer to product packaging.

TYPICAL PROPERTIES - Supplied

Specific Gravity, at 25°C (77°F).....	
Solids Content, Percent by volume ASTM D 6904.....	.81(+/-3)
Tack-Free Time.....	1-3 hrs.
Cure Time.....	2-4 hrs.
Volatile Organic Compounds.....	<50 grams/liter
Flash Point.....	141° F

TYPICAL PROPERTIES - Cured

Tensile, Set at 100 percent elongation.....	Nil
Tensile Strength, psi ASTM D-412.....	333
Elongation, percent ASTM D-412.....	162
Temperature Stability Range, °C (°F).....	- 20 to 100 (-20 to 212)
Permeability ¹ , perms ASTM E-96.....	7.76

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INSTALLATION:

Surfaces to be coated with Sil-Wall 5000 Series Coating must be properly prepared. All surfaces must be clean, dry and free of loose particles. Cracks and holes must be filled if greater than 1/8 inch wide. Cracks can be filled with SCS approved silicone sealants. Surface temperature of the substrate below 120°F (49°C) before installing Sil-Wall 5000 Series. The coating can be easily applied with brush, roller or standard airless spray. Skin-over is achieved within 30 minutes of application and tack free in 1-2 hours under most conditions.

CONCRETE SURFACES:

New concrete and masonry should be allowed to cure for a minimum of 30 days after which the surface should be cleaned by wire brushing loose mortar and then cleaned via pressure washing.

SPRAY EQUIPMENT:

Due to the high viscosity of the material, a high-pressure airless sprayer capable of producing a minimum of 3500 PSI at the spray gun head should be used. The pump should have a minimum of 3 gallons per minute output rate. Always use components rated for pump pressure. Hoses should be BUNA-N jacketed for prevention of moisture contamination. Hoses should have a minimum I.D. of 3/4" and an adequate working pressure. The spray gun should be high pressure (5000 PSI) with reverse-a-clean spray tip, having a minimum orifice of .030 and a 50° fan tip.

PACKAGING:

Sil-Wall 5000 Series is available in 55 gallon and 5 gallon containers.

CLEAN UP:

Uncured silicone coating can be cleaned or equipment can be flushed with VM&P Naptha or Mineral Spirits

LIMITED WARRANTY INFORMATION-PLEASE READ CAREFULLY:

The information herein is to assist customers in determining whether this product is suitable for various applications. This product is only intended for sale to industrial and commercial customers. Customers assume full responsibility for quality control, testing and determination of suitability of products for its intended application or use. We warrant that our products will meet our written specifications. We make no other warranty of merchantability of fitness for a particular purpose. Our total liability and customers' exclusive remedy for all proven claims is replacement of nonconforming product and in no event shall we be liable for any other damages, including without limitation to special, incidental, punitive, or consequential damages. For warranty details, please contact your SCS Specialist.

Specification Writers: A copy of the Application Specification for this product may be obtained from Silicone Coating Solutions Customer Service. To the best of our knowledge, the technical data contained herein is true and accurate at the date of issuance and is subject to change without prior notice. User must contact Silicone Coating Solutions, Inc. to verify correctness before specifying or ordering. No guarantee of accuracy is given or implied. We guarantee our products to conform to Silicone Coating Solutions, Inc's quality control. We assume no responsibility for coverage, performance or injuries resulting from use.